

UPP  
FADS

U.S. Department of Transportation Federal Highway Administration- California Division- Title 23 Damage Assessment Form (DAF)		DAF No. <b>MEM</b> - <b>SMCO</b> - 002 - 0	Sheet # 1 of 3	Federal Project # EO ER - ( )
Applicant Department of Public Works and		County County of San Mateo	Incident Date (mm/dd/yyyy) 12/23/2012	Inspection 12/27/2012
Location of Damage:		Per Site <input checked="" type="checkbox"/> or <input type="checkbox"/> Per Mile	Federal-aid Highway?	
Name of Road/Bridge: <u>Alpine Road in Los Trancos between Joaquin and Page Mill</u>		Y for yes, if no, ineligible for ER funds <input checked="" type="checkbox"/> Y		
PM Begin: _____ PM Length: <u>80.00</u>		Map No <u>05M34</u>		
PM End: _____ (in feet)		Functional Classification Type:		
Road/Bridge Data:	Bridge No _____ Type: _____	Major Collector		
Traveled Way: Width <u>21 ft</u> Type: PCC <input type="checkbox"/> AC <input type="checkbox"/> Gravel <input checked="" type="checkbox"/>	Forest Hwy? Y/N <input type="checkbox"/> N Interstate? Y/N <input type="checkbox"/> N			
Shoulder: Width <u>0</u> Type: PCC <input type="checkbox"/> AC <input type="checkbox"/> Gravel <input checked="" type="checkbox"/>	Existing ADT: <u>0</u>			
Description of Damage:	The existing drainage system consists of a deep headwall and culvert system located approximately 20 feet below the level of the road. The segment of the system immediately downstream of the headwall is believed to have collapsed.			

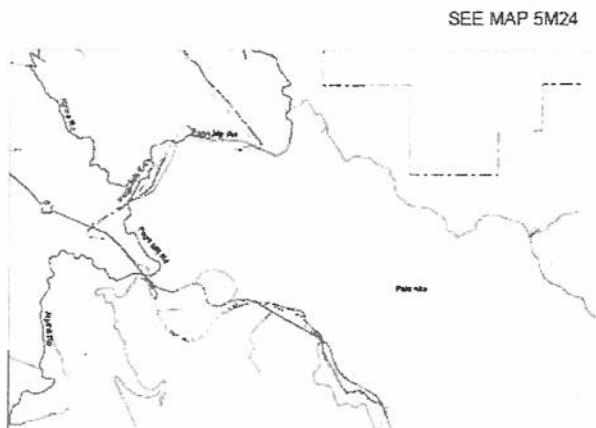
COST ESTIMATE				
Emergency Opening (EO)	Type of Repair	Description of Work	Cost Summary	
	EO- AGENCY FORCES		PE	
	CT Work Order #(s): _____		CE	
	EA(s): _____		Construction	
	EO- CONTRACT		PE	
	EO EA(s): _____		CE	
	Construction			
NOTE: Environmental documentation for EO is required. It is generally started after work has begun.			R/W	
Subtotal Emergency Opening				\$0
Permanent Restoration (PR)	PR- CONSTRUCTION	Repairs are anticipated to require the replacement of approximately 40 lf of a 48" culvert, the installation of an overflow culvert 24" in diameter at a shallower depth and the reconstruction of the road with a built in swale that would be able to channel flows over the top of the road, should either culvert system become	PE	22,200
	FA requires an approved PIF		CE	22,200
	<input type="checkbox"/> Contract <input checked="" type="checkbox"/> FA		Construction	222,000
	PR EAs _____			
NOTE: PRIOR AUTHORIZATION (APPROVED E-76) IS REQUIRED TO PROCEED WITH PERMANENT RESTORATION R/W & CONSTRUCTION			R/W	
NOTE: Environmental clearance for permanent restoration is conducted through normal Federal-aid procedures			Subtotal Permanent Restoration	\$266,400
Eligible	Signature	Date	PE Total	\$22,200
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Local Agency (if applicable): <u>Diana Shu</u>	<u>5/23/13</u>	CE Total	\$22,200
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Caltrans: <u>m minutata</u>	<u>5/24/2013</u>	R/W Total	\$0
<input type="checkbox"/> Yes <input type="checkbox"/> No	FHWA*: _____		Construction Total	\$222,000
TOTAL ESTIMATE			<b>\$267,000</b>	<b>\$266,400</b>

Agency sig. Name (print): Diana Shu FHWA Sig. Name (print): \_\_\_\_\_  
 CT signature Name (print): Marco Militante DAF Prepared by (print): Diana Shu

Original: Caltrans District Copies: FHWA, Division of Local Assistance (local roads), Federal Resources (state hwy), HQ Major Damage Engineer (state hwy)  
 \*Write "N/A" in FHWA signature block if the project has no Federal ER funding or Federal ER funding delegated to the State.  
 FHWA Signature: REQUIRED for all Federal Funded State projects, REQUIRED for any Local Agency projects with 1) any BIFIRMENI, 2) more than 2 ROW takes or 3) when paving is more than 50% of the Total Estimated Cost. Reminder: This DAF must be accompanied by photos of the damage.

Photos, Sketches and/or Narrative

Photo description: [http://www.dot.ca.gov/hq/tsip/hseb/crs\\_map/05m34.pdf](http://www.dot.ca.gov/hq/tsip/hseb/crs_map/05m34.pdf)



A complete road failure and drainage system failure occurred at this location. The existing drainage system consists of a deep headwall and culvert system located approximately 20 feet below the level of the road. The segment of the system immediately downstream of the headwall is believed to have collapsed. Repairs are anticipated to require the replacement of approximately 40 lf of a 48" culvert, the installation of an overflow culvert 24" in diameter at a shallower depth and the reconstruction of the road with a built in swale that would be able to channel flows over the top of the road, should either culvert system become partially or wholly blocked with debris.

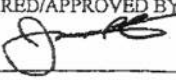
DAF # MEM - SMCO - 0 0 2 - 0  
Sheet # 3 of 3  
Applicant \_\_\_\_\_  
County of San Mateo \_\_\_\_\_  
Agency EO Calc ☐ EO contract ☐ PR ☐

\*Lump Sum will generally only be accepted for non biddable items, such as Mobilization.

FHWA CA Form (CA Rev 12/08/09)

## Request for Approval of Cost-Effectiveness/Public Interest Finding

## EXHIBIT 12-F REQUEST FOR APPROVAL OF COST EFFECTIVENESS/PUBLIC INTEREST FINDING

U.S DEPARTMENT OF TRANSPORTATION		FEDERAL HIGHWAY ADMINISTRATION		CALIFORNIA DEPARTMENT OF TRANSPORTATION	
REQUEST FOR APPROVAL OF COST-EFFECTIVENESS/PUBLIC INTEREST FINDING					
COST-EFFECTIVENESS DETERMINATION REQUIRED			PUBLIC INTEREST DETERMINATION REQUIRED		
<input type="checkbox"/> Use of force account (23 CFR 635.204, 205)* <input checked="" type="checkbox"/> <del>Use of publicly furnished equipment (23 CFR 635.407)</del> <input type="checkbox"/> Other: _____			<input type="checkbox"/> Use of non-competitive negotiated consultant contracts (23 CFR 172.5)* <input type="checkbox"/> Use of publicly furnished materials (23 CFR 635.407) <input type="checkbox"/> Use of proprietary products and processes (23 CFR 635.411) <input type="checkbox"/> Use of contracting method other than competitive bidding (23 CFR 635.104/204)* <input type="checkbox"/> Use of mandatory borrow/disposal sites (23 CFR 635.407) <input type="checkbox"/> Advertising period less than 3 weeks (23 CFR 635.112)* <input type="checkbox"/> Waiver of Buy America Requirements (23 CFR 635.410)** <input type="checkbox"/> Other: _____		
			* Requires Caltrans District approval ** Requires FHWA approval		
FEDERAL-AID PROJECT		CLASS OF FEDERAL FUNDS: <input type="checkbox"/> IM <input type="checkbox"/> NH <input type="checkbox"/> STP <input checked="" type="checkbox"/> OTHER:			
		STEWARDSHIP: <input type="checkbox"/> DELEGATED <input type="checkbox"/> HIGH PROFILE			
EA		DIST-CO-RTE-PM		ESTIMATED COST	
		Alpine Road in Los Trancos		\$266,400	
GENERAL LOCATION			GENERAL DESCRIPTION OF WORK:		
On Alpine Road, between Joaquin and Page Mill Roads			Replace culvert and repair road. Add piping and erosion protection as needed to control the flow of water.		
REASONS THAT REQUESTED APPROVAL IS CONSIDERED TO BE COST-EFFECTIVE OR IN THE PUBLIC'S BEST INTEREST (STATE):					
<p>During the rains of December 23, 2012, a portion of Alpine Road washed away due to the roadway drainage system being overwhelmed by high flow volumes experienced within a seasonal stream that crosses the road through a culvert system. In addition to the road failure, the large flow volumes caused the culvert drainage system to fail. The road has been officially closed by the Department of Public Works on either side of the road failure, as it is considered to no longer be safely passable.</p> <p>Alpine Road, between Joaquin Road and Page Mill Road serves as a hiking trail for nearby residents, access for cyclists, access for the adjacent Pony Tracks Ranch and as an emergency evacuation route for residents of the communities of Portola Valley, Vista Verde and Los Trancos (<a href="http://www.paloaltoonline.com/news/show_story.php?id=9439">http://www.paloaltoonline.com/news/show_story.php?id=9439</a>). It is one of only a handful of evacuation routes available to the community, which is situated in high fire hazard and earthquake hazard zones and is one of the very few publicly accessible connections between the bayside communities and Skyline Boulevard (Hwy 35). Replacement of the culvert and restoration of the road would allow vehicles and cyclists continued use of this road and restore the essential uses of the road which were marginalized by the roadway and drainage system failures.</p>					
REMARKS (STATE):					
PREPARED/APPROVED BY LOCAL AGENCY'S REPRESENTATIVE		REPRESENTATIVE NAME AND TITLE:		Date:	
		James C. Porter, Director of Public Works		5-20-13	
*APPROVED BY DISTRICT LOCAL ASSISTANCE ENGINEER (DLAE)		DLAE NAME:		Date:	
**APPROVED BY FHWA (Buy America Waiver only)		FHWA REPRESENTATIVE NAME:		Date:	

Distribution: 1) Local Agency File -Original 2) DLAE -Copy 3) Caltrans Project Manager -Copy if on the SHS